Date: Fri, 19 Aug 94 04:30:40 PDT
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>
Errors-To: Ham-Space-Errors@UCSD.Edu
Reply-To: Ham-Space@UCSD.Edu
Precedence: Bulk
Subject: Ham-Space Digest V94 #230
To: Ham-Space

Ham-Space Digest Fri, 19 Aug 94 Volume 94 : Issue 230

Today's Topics:

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

Date: 18 Aug 1994 12:47:05 -0500
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!swrinde!
pirates.cs.swt.edu!cs.utexas.edu!not-for-mail@network.ucsd.edu
Subject: Address for KC0TO/7 in Wyoming
To: ham-space@ucsd.edu

My first AO-13 contact was with KC0TO/7 in Wyoming on 30 July at 0607 UTC.

He gave the QSL route, but I misplaced it.
My card to the callbook address for KC0TO was returned undeliverable.

Does anyone have the correct QSL route?

-- Wayne Estes WD5FFH Wayne_Estes@csg.mot.com

Date: 18 Aug 1994 18:05:35 GMT

From: agate!howland.reston.ans.net!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!
zip.eecs.umich.edu!yeshua.marcam.com!charnel.ecst.csuchico.edu!psgrain!
news.tek.com!gv-gate.gvg.@@ihnp4.ucsd.edu
Subject: Kantronics KPC-9612
To: ham-space@ucsd.edu

Does anyone know if the new Kantronics KPC-9612 dual speed TNC can be
used to communicate with the 9600 baud satellites?

Randy
WA2AGE

Date: Thu, 18 Aug 94 13:33:11 PDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!uhog.mit.edu!news.kei.com!ssd.intel.com!chnews!
news@network.ucsd.edu
Subject: Need 9600 baud mod info for IC271/471
To: ham-space@ucsd.edu

Im looking for 9600 baud modification info for the ICOM 271 & 471.

Thanks & 73s,
Tom WB7ASR...

Date: Thu, 18 Aug 94 13:10:16 PDT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!uhog.mit.edu!news.kei.com!ssd.intel.com!chnews!
news@network.ucsd.edu
Subject: New satellite Windows programs
To: ham-space@ucsd.edu

I just received my copy of the July/August 1994 issue of THE AMSAT JOURNAL.
In the journal, pages 6-9, they talk about a new Windows PB and PG like
program by ZL2TPO. The program also has a fully intergrated color graphic
world map showing satallite positions and foot prints. It has full support
for the Kansas City Tracker/Tuner, with the optional Windows program by
KC6WYG, on page 10.

Both programs can be purchased from AMSAT direct for $40.00 @ 301-589-6062
All proceeds go to the Phase3D program.

73s, Tom WB7ASR...

Date: Wed, 17 Aug 1994 20:25:03 -0400
From: news.cerf.net!bengal.oxy.edu!acsc.com!gopher.sdsc.edu!nic-nac.CSU.net!
charnel.ecst.csuchico.edu!yeshua.marcam.com!news.kei.com!eff!news.umbc.edu!
haven.umd.edu!cs.umd.@ihnp4.ucsd.edu
Subject: STS-68 - SAREX?
To: ham-space@ucsd.edu

In article <32t4l9$ee1@fozzy.aud.alcatel.com>, rjgrocho@aud.alcatel.com wrote:

> I haven't yet seen anything that sez STS-68 will be a SAREX mission.
> Is it? Tnx.
>
> Robert - N5UPF

STS-64 is the next SAREX mission. Due for launch Sept 9 nominally

Jim Blackwell, N3KWU

Date: 18 Aug 1994 02:10:29 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
europa.eng.gtefsd.com!news.umbc.edu!rkirk1@network.ucsd.edu
To: ham-space@ucsd.edu

References <32bqoe$ur@eis.calstate.edu>, <32ggg8$hsh@hollywood.cinenet.net>,
<1994Aug13.082514.868@ke4zv.atl.ga.us>.umbc.ed
Subject : Re: Homebrew Global Positioning System (GPS)

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:
: In article <32ggg8$hsh@hollywood.cinenet.net> maustin@hollywood.cinenet.net
(Mark Austin) writes:
: >
: >I had an idea. How about linking up a GPS with a cellular phone and
: >a large battery to power both for a couple of days. Then dial a number
: >on the cellular where you want the GPS to send it's location info and
: >drop the whole bundle into someone's car. Since GPS info can be used
: >with several very cheap street mapping systems (Delorme for one) you'll
: >be able to sit at home and watch them driving down the street on
: >your home computer. Should be able to do this cheap. A couple of
: >hundred dollars (with cheap GPS and cheap phone). I have no ideas
: >on keeping cellular costs down though. One thought would be to set
: >the phone to answer and power up the whole gizmo and then shut down
: >after a call is placed into it. You wouldn't get a continuous
: >signal but you'd be able to find where someone is on demand (if they're
: >within cellular calling range). Such a setup could last for a LONG
: >time with the proper battery.

: You aren't going to be able to get a GPS and cell phone for a couple
: hundred dollars. The cheapest GPS receivers are around $400, and so
: are cell phones unless you roll their cost into a long term service
: contract. And monthly and per minute cell phone charges will mount
: up fairly rapidly. By using packet radio, amateur or commercial,
: you can send position updates on a regular basis without incurring
: quite as much cost.

: DeLorme Mapping and City Streets are a couple of commercial map
: systems that work with GPS. However, APRS (Automatic Packet Reporting
: System) is in some ways better. While it lacks the friendly user
: interface of the commercial products, and it's pre-made map databases
: are skimpy, you can make your own maps, and it works with local and
: remote GPS receivers (using packet UI frames for the latter). It also
: supports other information about the remote sites such as range and
: bearing data from DF equipment, and arbitary text messages.

: However, what many of us want is *differential* GPS. The Coast Guard,
: FAA, and others send out position deltas from a fixed benchmark
: receiver that are received and used to correct the reading of the local
: GPS receiver. These transmissions are either at MF or VHF depending on
: the system. A special receiver is required, and either a GPS receiver
: designed to work with differential signals, or a PC that can take the
: timestamped position reports and reconcile them via software, is used
: to give a true position. This method removes the deliberate SA jitter,
: and other error sources such as varying atmospheric propagation factors,
: from the position data. This allows much greater precision in determining
: location than raw GPS alone.

: It would be nice if the APRS author would support this mode in his
: software. Some of us are willing to set up benchmark receivers on
: the amateur bands. That timestamped data could be used to correct
: the positions reported by the rover receivers over packet.

: Gary
: --
: Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
: Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
: 534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
: Lawrenceville, GA 30244 | | gary@ke4zv.atl.ga.us

This has already been done on an experimental basis here in the Annaoplis
area: A cooperating ham otransmits a differential signal on the same
freq as the APRS net. Receive it thru your TNC and it goes into the
GPS receiver. Works fine.

(Wierd trouble with a missing letter - regrets)

Bob
ht os

End of Ham-Space Digest V94 #230
****